

 endrich

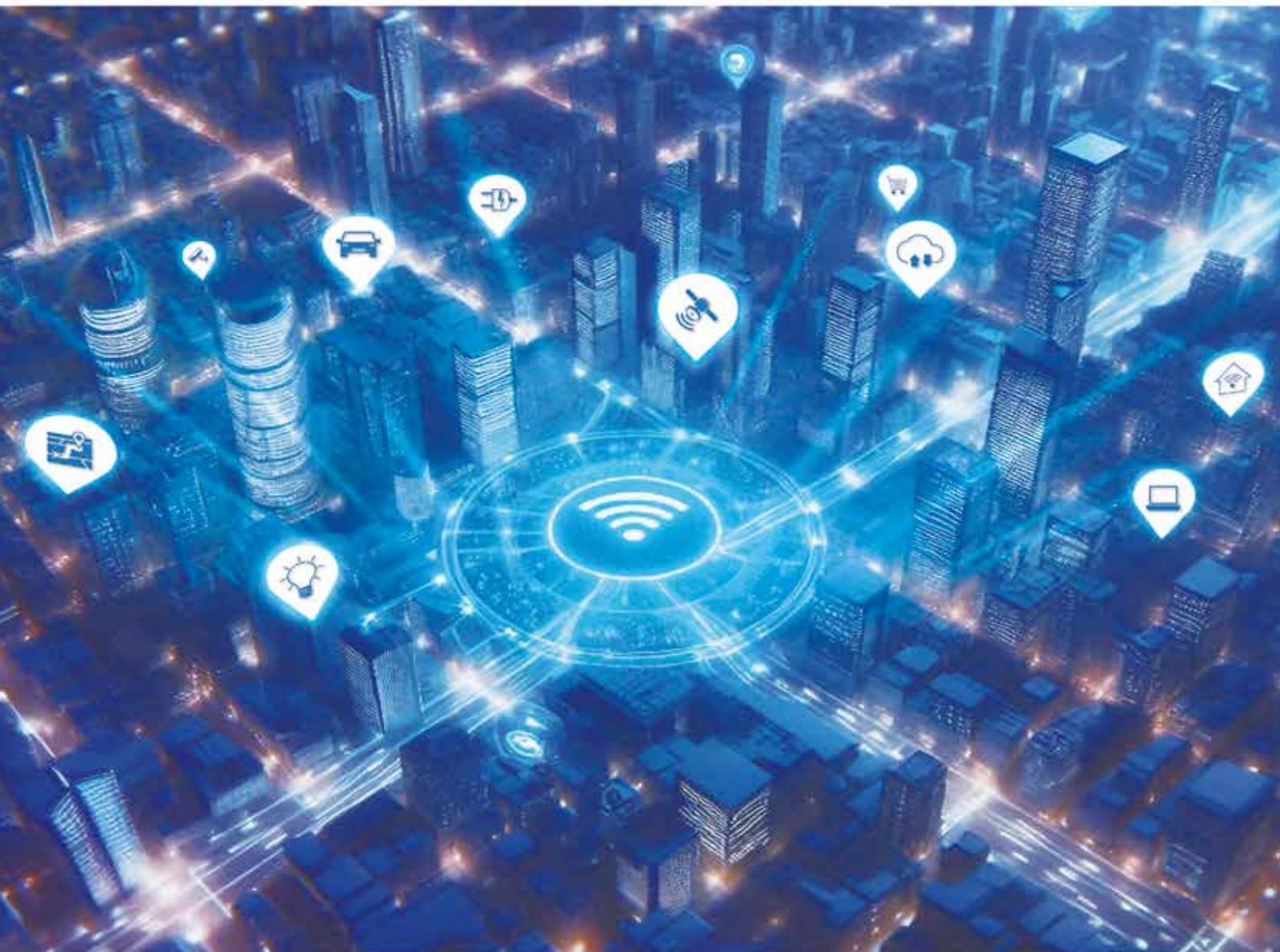


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**SMD**

Inductive  
Components

General Grade



**ABC-ATEC Electronics Group**  
**ABC Taiwan Electronics Corp.**

# SMD Inductive Components General Grade

Unit: mm



| Figure  | Feature         | Type                       | Dimension (LxWxH mm)       |      |      |      |      | Inductance / Impedance |      |      | Rated Current |         |         |         |         |
|---|-----------------|----------------------------|----------------------------|------|------|------|------|------------------------|------|------|---------------|---------|---------|---------|---------|
| <b>RF Inductor - Ceramic Wire Wound Chip Inductor</b> |                 |                            |                            |      |      |      |      |                        |      |      |               |         |         |         |         |
|   |                 |                            | <a href="#">SWI0201 CT</a> | 0.52 | x    | 0.4  | x    | 0.4                    | 0.5  | ~    | 14            | nH      | 1250 mA | ~       | 270 mA  |
|   |                 |                            | <a href="#">SWI0402 CT</a> | 1.0  | x    | 0.55 | x    | 0.5                    | 1.0  | ~    | 120           | nH      | 1360 mA | ~       | 110 mA  |
|   |                 |                            | <a href="#">SWI0603 CT</a> | 1.6  | x    | 1.05 | x    | 1.05                   | 1.6  | ~    | 390           | nH      | 700 mA  | ~       | 170 mA  |
|   |                 |                            | <a href="#">SWI0805 CT</a> | 2.0  | x    | 1.25 | x    | 1.2                    | 2.2  | ~    | 390           | nH      | 800 mA  | ~       | 210 mA  |
|   |                 |                            | <a href="#">SWI1008 CT</a> | 2.6  | x    | 2.1  | x    | 1.7                    | 3.3  | ~    | 3900          | nH      | 1000 mA | ~       | 100 mA  |
|   |                 |                            | <a href="#">SWI1210 CT</a> | 3.2  | x    | 2.6  | x    | 2.1                    | 4.7  | ~    | 2200          | nH      | 1000 mA | ~       | 150 mA  |
|   | High Current    | <a href="#">SWI0402 HP</a> | 1.0                        | x    | 0.55 | x    | 0.5  | 2.0                    | ~    | 68   | nH            | 2100 mA | ~       | 320 mA  |         |
|   |                 |                            | <a href="#">SWI0603 HP</a> | 1.8  | x    | 1.12 | x    | 1.02                   | 1.7  | ~    | 390           | nH      | 2100 mA | ~       | 180 mA  |
|   | High Q          | <a href="#">SWI1008 HQ</a> | 2.6                        | x    | 2.1  | x    | 1.7  | 3.0                    | ~    | 100  | nH            | 1600 mA | ~       | 1000 mA |         |
|   | High Current    | <a href="#">SWI0402 CM</a> | 1.0                        | x    | 0.55 | x    | 0.5  | 1.5                    | ~    | 120  | nH            | 1100 mA | ~       | 200 mA  |         |
|   |                 |                            | <a href="#">SWI0603 CM</a> | 1.6  | x    | 1.05 | x    | 1.05                   | 2.2  | ~    | 470           | nH      | 2200 mA | ~       | 200 mA  |
| <b>RF Inductor - Ferrite Wire Wound Chip Inductor</b> |                 |                            |                            |      |      |      |      |                        |      |      |               |         |         |         |         |
|   |                 |                            | <a href="#">SWI0402 FT</a> | 1.0  | x    | 0.5  | x    | 0.55                   | 47   | ~    | 820           | nH      | 550 mA  | ~       | 150 mA  |
|   |                 |                            | <a href="#">SWI0603 FT</a> | 1.65 | x    | 1.1  | x    | 0.9                    | 39   | ~    | 22000         | nH      | 1700 mA | ~       | 150 mA  |
|   |                 |                            | <a href="#">SWI0805 FT</a> | 2.0  | x    | 1.25 | x    | 1.2                    | 0.47 | ~    | 10            | µH      | 500 mA  | ~       | 80 mA   |
|   |                 |                            | <a href="#">SWI1008 FT</a> | 2.6  | x    | 2.1  | x    | 1.7                    | 0.47 | ~    | 47            | µH      | 500 mA  | ~       | 45 mA   |
|   |                 |                            | <a href="#">SWI1210 FT</a> | 3.2  | x    | 2.6  | x    | 2.1                    | 1.2  | ~    | 47            | µH      | 390 mA  | ~       | 60 mA   |
|   |                 |                            | <a href="#">SWI0402 FD</a> | 1.0  | x    | 0.55 | x    | 0.55                   | 20   | ~    | 770           | nH      | 1400 mA | ~       | 220 mA  |
|   |                 |                            | <a href="#">SWI0603 FL</a> | 1.65 | x    | 1.10 | x    | 0.9                    | 72   | ~    | 22000         | nH      | 1400 mA | ~       | 130 mA  |
|   | Low Profile     | <a href="#">LPI0603 FT</a> | 1.6                        | x    | 1.05 | x    | 1.05 | 1.0                    | ~    | 12   | µH            | 680 mA  | ~       | 190 mA  |         |
|   |                 |                            | <a href="#">LPI1210 FT</a> | 3.2  | x    | 2.5  | x    | 1.2                    | 2.2  | ~    | 33            | µH      | 800 mA  | ~       | 220 mA  |
|   |                 |                            | <a href="#">HCI0805 FT</a> | 2.3  | x    | 1.5  | x    | 1.2                    | 0.47 | ~    | 47            | µH      | 1600 mA | ~       | 150 mA  |
| <b>RF Inductor - Multilayer Chip Inductor</b>         |                 |                            |                            |      |      |      |      |                        |      |      |               |         |         |         |         |
|   | RF - Ceramic    | <a href="#">MH0603</a>     | 0.6                        | x    | 0.3  | x    | 0.3  | 1.0                    | ~    | 27   | nH            | 470 mA  | ~       | 120 mA  |         |
|   |                 |                            | <a href="#">MH1005</a>     | 1.0  | x    | 0.5  | x    | 0.5                    | 1.0  | ~    | 270           | nH      | 400 mA  | ~       | 100 mA  |
|   |                 |                            | <a href="#">MH1608</a>     | 1.6  | x    | 0.8  | x    | 0.8                    | 1.0  | ~    | 220           | nH      | 600 mA  | ~       | 250 mA  |
|   | Power - Ferrite | <a href="#">MP1608</a>     | 1.6                        | x    | 0.8  | x    | 0.95 | 0.5                    | ~    | 2.2  | µH            | 900 mA  | ~       | 650 mA  |         |
|   |                 |                            | <a href="#">MP2012</a>     | 2.0  | x    | 1.25 | x    | 1.0                    | 1.0  | ~    | 4.7           | µH      | 1000 mA | ~       | 700 mA  |
|   |                 |                            | <a href="#">MP2016</a>     | 2.0  | x    | 1.6  | x    | 1.0                    | 1.0  | ~    | 4.7           | µH      | 1300 mA | ~       | 900 mA  |
| <b>RF Inductor - Multilayer Ferrite Chip Bead</b>     |                 |                            |                            |      |      |      |      |                        |      |      |               |         |         |         |         |
|   | General         | <a href="#">MU0603</a>     | 0.6                        | x    | 0.3  | x    | 0.3  | 10                     | ~    | 1000 | Ω             | 500 mA  | ~       | 100 mA  |         |
|   |                 |                            | <a href="#">MU1005</a>     | 1.0  | x    | 0.5  | x    | 0.5                    | 10   | ~    | 1000          | Ω       | 500 mA  | ~       | 50 mA   |
|   |                 |                            | <a href="#">MU1608</a>     | 1.6  | x    | 0.8  | x    | 0.8                    | 19   | ~    | 1500          | Ω       | 400 mA  | ~       | 200 mA  |
|   |                 |                            | <a href="#">MU2029</a>     | 2.0  | x    | 1.2  | x    | 0.9                    | 11   | ~    | 1500          | Ω       | 300 mA  | ~       | 300 mA  |
|   | High Current    | <a href="#">MB1005</a>     | 1.0                        | x    | 0.5  | x    | 0.5  | 10                     | ~    | 180  | Ω             | 2000 mA | ~       | 1000 mA |         |
|   |                 |                            | <a href="#">MB1608</a>     | 1.6  | x    | 0.8  | x    | 0.8                    | 19   | ~    | 1000          | Ω       | 3000 mA | ~       | 1000 mA |
|   |                 |                            | <a href="#">MB2029</a>     | 2.0  | x    | 1.2  | x    | 0.9                    | 17   | ~    | 1500          | Ω       | 3000 mA | ~       | 1000 mA |

# SMD Inductive Components General Grade

Unit: mm



| Figure  | Feature      | Type   | Dimension (LxWxH mm) |   |      |   | Inductance / Impedance |      |   | Rated Current |    |
|---|--------------|--------|----------------------|---|------|---|------------------------|------|---|---------------|----|
| <b>Power Inductor - Wound Chip Inductor</b>     |              |        |                      |   |      |   |                        |      |   |               |    |
|   | Standard     | CM3225 | 3.2                  | x | 2.5  | x | 2.2                    | 0.12 | ~ | 150           | µH |
|   |              | CM4532 | 4.5                  | x | 3.2  | x | 3.2                    | 0.1  | ~ | 1000          | µH |
|   | High Current | CC3225 | 3.2                  | x | 2.5  | x | 2.2                    | 1.0  | ~ | 100           | µH |
|   |              | CC4532 | 4.5                  | x | 3.2  | x | 3.2                    | 1.0  | ~ | 680           | µH |
| <b>Power Inductor - Power Bead Inductor</b>     |              |        |                      |   |      |   |                        |      |   |               |    |
|   | High Current | PB0705 | 6.7                  | x | 6.5  | x | 4.7                    | 72   | ~ | 150           | nH |
|   |              | PB1005 | 10                   | x | 7.0  | x | 5.0                    | 100  | ~ | 220           | nH |
|   |              | PB1007 | 10.5                 | x | 8.0  | x | 7.5                    | 115  | ~ | 300           | nH |
|   |              | PB1109 | 11.5                 | x | 11.5 | x | 9.2                    | 200  | ~ | 550           | nH |
|   |              | PB1308 | 13.5                 | x | 13   | x | 8.0                    | 210  | ~ | 440           | nH |
|   |              | PB1012 | 10                   | x | 6.2  | x | 12                     | 100  | ~ | 330           | nH |
|   | Molded       | PE1230 | 11.8                 | x | 8.0  | x | 2.5                    | 60   | ~ | 150           | nH |
| <b>Power Inductor - Non - Shielded Inductor</b> |              |        |                      |   |      |   |                        |      |   |               |    |
|   | General      | SQ3225 | 3.2                  | x | 2.5  | x | 2.0                    | 1.0  | ~ | 560           | µH |
|   |              | SQ4532 | 4.5                  | x | 3.2  | x | 2.6                    | 1.0  | ~ | 2200          | µH |
|   |              | SQ5650 | 5.7                  | x | 5.0  | x | 4.7                    | 0.47 | ~ | 10000         | µH |
|   | General      | SB1608 | 6.6                  | x | 4.45 | x | 2.92                   | 1.0  | ~ | 1000          | µH |
|   |              | SB7030 | 7.0                  | x | 7.0  | x | 3.0                    | 1.0  | ~ | 1000          | µH |
|   |              | SB7045 | 7.0                  | x | 7.0  | x | 4.5                    | 1.2  | ~ | 1000          | µH |
|   |              | SB0805 | 8.0                  | x | 10.5 | x | 5.0                    | 3.3  | ~ | 330           | µH |
|   |              | SB1005 | 10                   | x | 12.7 | x | 5.0                    | 1.0  | ~ | 10000         | µH |
|   |              | SB1806 | 14                   | x | 18   | x | 6.6                    | 1.0  | ~ | 1000          | µH |
|   |              | SB2207 | 22                   | x | 15   | x | 7.0                    | 0.8  | ~ | 100           | µH |
|   | General      | SR0302 | Ø3.0                 | x | 2.8  | x | 2.5                    | 1.0  | ~ | 1200          | µH |
|   |              | SR0403 | Ø4.5                 | x | 4.0  | x | 3.2                    | 1.0  | ~ | 1000          | µH |
|   |              | SR0502 | Ø5.0                 | x | 4.5  | x | 2.0                    | 100  | ~ | 2700          | µH |
|   |              | SR0503 | Ø5.0                 | x | 4.5  | x | 3.0                    | 0.5  | ~ | 15000         | µH |
|   |              | SR0602 | Ø5.6                 | x | Ø5.6 | x | 2.5                    | 1.0  | ~ | 1000          | µH |
|   |              | SR0603 | Ø5.6                 | x | Ø5.6 | x | 3.7                    | 1.5  | ~ | 470           | µH |
|   |              | BR0604 | Ø5.6                 | x | 5.2  | x | 4.5                    | 1.2  | ~ | 820           | µH |
|   |              | SR0805 | Ø7.5                 | x | Ø7.5 | x | 5.0                    | 1.5  | ~ | 4700          | µH |
|   | General      | SR0906 | 9.5                  | x | 10.5 | x | 6.0                    | 2.2  | ~ | 10000         | µH |
|   |              | SR1006 | Ø9.5                 | x | Ø9.5 | x | 5.5                    | 1.5  | ~ | 4700          | µH |

# SMD Inductive Components General Grade

Unit: mm



| Figure   | Feature | Type   | Dimension (LxWxH mm) |   |       |   |      | Inductance / Impedance |   |     | Rated Current |        |   |       |
|--|---------|--|----------------------|---|-------|---|------|------------------------|---|-----|---------------|--------|---|-------|
| <b>Power Inductor - Semi - Shielded Inductor</b> |         |  |                      |   |       |   |      |                        |   |     |               |        |   |       |
| <br><b>Standard</b>                              |         | TPI3015  | 3.0                  | x | 3.0   | x | 1.5  | 1.0                    | ~ | 100 | µH            | 2.3 A  | ~ | 0.3 A |
|  |         | TPI4018  | 4.0                  | x | 4.0   | x | 1.88 | 0.8                    | ~ | 220 | µH            | 4.2 A  | ~ | 0.3 A |
|  |         | TPI4025  | 4.0                  | x | 4.0   | x | 2.5  | 1.0                    | ~ | 220 | µH            | 3.0 A  | ~ | 0.2 A |
|  |         | TPI5040  | 5.0                  | x | 5.0   | x | 4.0  | 1.5                    | ~ | 47  | µH            | 6.0 A  | ~ | 1.1 A |
|  |         | TPI6045  | 6.0                  | x | 6.0   | x | 4.5  | 1.0                    | ~ | 220 | µH            | 9.4 A  | ~ | 0.6 A |
|  |         | RN6045   | 6.0                  | x | 6.0   | x | 4.5  | 1.0                    | ~ | 100 | µH            | 8.5 A  | ~ | 0.8 A |
|  |         | RN8040   | 8.15                 | x | 7.9   | x | 4.0  | 0.5                    | ~ | 100 | µH            | 10 A   | ~ | 1.0 A |
|  |         | RN1060   | 9.8                  | x | 10    | x | 6.0  | 1.5                    | ~ | 470 | µH            | 10 A   | ~ | 0.8 A |
|  |         | <b>Power Inductor - Shielded Molded Inductor</b> |                      |   |       |   |      |                        |   |     |               |        |   |       |
|  |         | DP2016-E   | 2.0                  | x | 1.6   | x | 1.0  | 0.24                   | ~ | 4.7 | µH            | 4.7 A  | ~ | 1.1 A |
|  |         | DP2016-P   | 2.0                  | x | 1.6   | x | 0.8  | 0.24                   | ~ | 4.7 | µH            | 5.8 A  | ~ | 1.6 A |
|  |         | <b>Power Inductor - Shielded Molded Inductor</b> |                      |   |       |   |      |                        |   |     |               |        |   |       |
|  |         | HE0412   | 4.4                  | x | 4.2   | x | 1.2  | 0.33                   | ~ | 4.7 | µH            | 8.4 A  | ~ | 2.5 A |
|  |         | HE0420   | 4.45                 | x | 4.05  | x | 2.0  | 0.1                    | ~ | 10  | µH            | 22 A   | ~ | 2.2 A |
|  |         | HE0530   | 5.4                  | x | 5.2   | x | 3.0  | 0.47                   | ~ | 6.8 | µH            | 13.5 A | ~ | 3.0 A |
|  |         | HE0618   | 7.1                  | x | 6.6   | x | 1.8  | 0.1                    | ~ | 4.7 | µH            | 40 A   | ~ | 6.0 A |
|  |         | HE0624   | 7.1                  | x | 6.6   | x | 2.4  | 0.1                    | ~ | 8.2 | µH            | 50 A   | ~ | 6.5 A |
|  |         | HE0630-L   | 7.1                  | x | 6.6   | x | 3.0  | 0.33                   | ~ | 22  | µH            | 25 A   | ~ | 3.0 A |
|  |         | HE0630-S   | 7.1                  | x | 6.6   | x | 3.0  | 0.1                    | ~ | 10  | µH            | 60 A   | ~ | 7.0 A |
|  |         | HE0640   | 7.1                  | x | 6.6   | x | 4.0  | 1.0                    | ~ | 68  | µH            | 14 A   | ~ | 2.0 A |
|  |         | HE1040-L   | 11.5                 | x | 10    | x | 4.0  | 0.19                   | ~ | 3.3 | µH            | 44 A   | ~ | 11 A  |
|  |         | HE1040-S   | 11.5                 | x | 10    | x | 4.0  | 0.15                   | ~ | 68  | µH            | 75 A   | ~ | 2.6 A |
|  |         | HE1235   | 13.5                 | x | 12.8  | x | 3.5  | 0.1                    | ~ | 10  | µH            | 84 A   | ~ | 10 A  |
|  |         | HE1250   | 13.5                 | x | 12.8  | x | 5.0  | 0.1                    | ~ | 10  | µH            | 80 A   | ~ | 16 A  |
|  |         | HE1265   | 13.5                 | x | 12.8  | x | 6.5  | 0.1                    | ~ | 22  | µH            | 80 A   | ~ | 7.5 A |
|  |         | HE1770   | 18                   | x | 17.15 | x | 7.0  | 0.82                   | ~ | 100 | µH            | 56.5 A | ~ | 5.0 A |

# SMD Inductive Components General Grade

Unit: mm



| Figure  | Feature         | Type   | Dimension (LxWxH mm) |   |      |   |     | Inductance / Impedance |   |       | Rated Current |         |           |
|---|-----------------|--------|----------------------|---|------|---|-----|------------------------|---|-------|---------------|---------|-----------|
| <b>Power Inductor - Shielded Inductor</b>   |                 |        |                      |   |      |   |     |                        |   |       |               |         |           |
|    | Low Profile     | QS3818 | 3.8                  | x | 3.8  | x | 1.8 | 1.0                    | ~ | 100   | µH            | 3.6 A   | ~ 0.34 A  |
|   |                 | QS3828 | 3.8                  | x | 3.8  | x | 2.8 | 3.3                    | ~ | 100   | µH            | 2.5 A   | ~ 0.48 A  |
|   |                 | QS4818 | 4.8                  | x | 4.8  | x | 1.8 | 1.0                    | ~ | 100   | µH            | 5.1 A   | ~ 0.5 A   |
|   |                 | QS4828 | 4.8                  | x | 4.8  | x | 2.8 | 1.2                    | ~ | 560   | µH            | 5.0 A   | ~ 0.3 A   |
|   |                 | QS5818 | 5.8                  | x | 5.8  | x | 1.8 | 1.5                    | ~ | 220   | µH            | 4.8 A   | ~ 0.33 A  |
|   |                 | QS5828 | 5.8                  | x | 5.8  | x | 2.8 | 2.6                    | ~ | 680   | µH            | 4.5 A   | ~ 3.1 A   |
|   |                 | QS6822 | 6.8                  | x | 6.8  | x | 2.3 | 1.0                    | ~ | 1000  | µH            | 5.8 A   | ~ 0.28 A  |
|   |                 | QS6828 | 6.8                  | x | 6.8  | x | 2.8 | 2.5                    | ~ | 1000  | µH            | 4.9 A   | ~ 0.3 A   |
| <b>Power Inductor - Shielded Inductor</b>   |                 |        |                      |   |      |   |     |                        |   |       |               |         |           |
|  | High Inductance | SS6028 | 6.0                  | x | 6.0  | x | 2.8 | 1.0                    | ~ | 1000  | µH            | 3.8 A   | ~ 0.11 A  |
|   |                 | SS6038 | 6.0                  | x | 6.0  | x | 3.8 | 1.0                    | ~ | 1000  | µH            | 4.0 A   | ~ 0.13 A  |
|   |                 | SS1608 | 6.5                  | x | 4.4  | x | 2.9 | 1.0                    | ~ | 10000 | µH            | 3.0 A   | ~ 0.02 A  |
|   |                 | SS0603 | 6.5                  | x | 6.5  | x | 3.1 | 1.5                    | ~ | 1000  | µH            | 2.2 A   | ~ 0.1 A   |
|   |                 | SS0604 | 6.5                  | x | 6.5  | x | 4.6 | 1.5                    | ~ | 1000  | µH            | 2.8 A   | ~ 0.12 A  |
|   |                 | SS7032 | 7.0                  | x | 7.0  | x | 3.2 | 3.3                    | ~ | 1000  | µH            | 2.4 A   | ~ 0.15 A  |
|   |                 | SS7045 | 7.0                  | x | 7.0  | x | 4.5 | 1.0                    | ~ | 1000  | µH            | 6.0 A   | ~ 0.16 A  |
|   |                 | SS0805 | 8.0                  | x | 10.5 | x | 4.5 | 2.2                    | ~ | 1000  | µH            | 2.5 A   | ~ 0.15 A  |
|   |                 | SS0906 | 9.5                  | x | 10.5 | x | 6.0 | 2.7                    | ~ | 10000 | µH            | 3.2 A   | ~ 0.07 A  |
|   |                 | SS0908 | 9.5                  | x | 10.5 | x | 7.5 | 1.5                    | ~ | 15000 | µH            | 5600 mA | ~ 75 mA   |
|   |                 | SS1005 | 10                   | x | 12.7 | x | 4.9 | 1.0                    | ~ | 3300  | µH            | 11 A    | ~ 0.21 mA |
|   |                 | SS1003 | 10                   | x | 12.7 | x | 2.7 | 1.8                    | ~ | 470   | µH            | 3.6 A   | ~ 0.2 mA  |
|   |                 | SS1045 | 10.1                 | x | 10.1 | x | 4.5 | 2.7                    | ~ | 1500  | µH            | 4.9 A   | ~ 0.22 A  |
|   |                 | SS1258 | 12                   | x | 12   | x | 6.0 | 1.0                    | ~ | 1000  | µH            | 15 A    | ~ 0.6 A   |
|   |                 | SS1278 | 12                   | x | 12   | x | 8.0 | 1.4                    | ~ | 1000  | µH            | 18 A    | ~ 0.85 A  |
|   |                 | SS1210 | 12                   | x | 12   | x | 10  | 1.0                    | ~ | 1000  | µH            | 12.5 A  | ~ 0.7 A   |
|   |                 | SS1240 | 12.5                 | x | 12.5 | x | 4.0 | 1.0                    | ~ | 1000  | µH            | 9.3 A   | ~ 0.42 A  |
|   |                 | SS1260 | 12.5                 | x | 12.5 | x | 6.0 | 1.0                    | ~ | 1000  | µH            | 10 A    | ~ 0.6 A   |
|   |                 | SS1280 | 12.5                 | x | 12.5 | x | 7.5 | 1.1                    | ~ | 1000  | µH            | 14 A    | ~ 0.8 A   |
|   |                 | SS1205 | 12.7                 | x | 12.7 | x | 5.0 | 2.5                    | ~ | 820   | µH            | 5.0 A   | ~ 0.3 A   |
|   |                 | SS1206 | 12.7                 | x | 12.7 | x | 6.0 | 2.5                    | ~ | 1500  | µH            | 6.2 A   | ~ 0.2 A   |
|   |                 | SS1208 | 12.7                 | x | 12.7 | x | 8.0 | 2.5                    | ~ | 1500  | µH            | 7.8 A   | ~ 0.36 A  |
|   |                 | SS1806 | 14                   | x | 18.2 | x | 6.8 | 10                     | ~ | 1000  | µH            | 8.2 A   | ~ 0.9 A   |

# SMD Inductive Components General Grade

Unit: mm



| Figure                                    | Feature                | Type       | Dimension (LxWxH mm) |   |      |   |       | Inductance / Impedance |    |      | Rated Current |        |        |        |        |
|---|------------------------|------------|----------------------|---|------|---|-------|------------------------|----|------|---------------|--------|--------|--------|--------|
| <b>Power Inductor - Shielded Inductor</b> |                        |            |                      |   |      |   |       |                        |    |      |               |        |        |        |        |
|   | General                | CU8030     | 8.0                  | x | 8.2  | x | 2.8   | 3.3                    | ~  | 100  | µH            | 4.8 A  | ~      | 0.85 A |        |
|   |                        | CU8043     | 8.0                  | x | 8.2  | x | 4.4   | 0.47                   | ~  | 100  | µH            | 9.0 A  | ~      | 1.0 A  |        |
|   |                        | CU8048     | 8.0                  | x | 8.2  | x | 4.8   | 10                     | ~  | 1000 | µH            | 3.5 A  | ~      | 0.3 A  |        |
|   |                        | CU1038     | 10                   | x | 10.2 | x | 3.8   | 3.3                    | ~  | 330  | µH            | 8.0 A  | ~      | 0.8 A  |        |
|   |                        | CU1048     | 10                   | x | 10.2 | x | 4.8   | 0.8                    | ~  | 330  | µH            | 9.5 A  | ~      | 0.73 A |        |
|   | High Inductance        | BS0703     | 7.3                  | x | 7.3  | x | 3.5   | 10                     | ~  | 1000 | µH            | 2.1 A  | ~      | 0.17 A |        |
|   |                        | BS0704     | 7.3                  | x | 7.3  | x | 4.5   | 1.0                    | ~  | 1000 | µH            | 5.6 A  | ~      | 0.24 A |        |
|   | Coupled                | BF0703     | 7.6                  | x | 7.6  | x | 3.4   | 0.33                   | ~  | 1000 | µH            | 14.4 A | ~      | 0.25 A |        |
|   |                        | SF1258     | 12.5                 | x | 12.5 | x | 6.0   | 0.47                   | ~  | 1000 | µH            | 33 A   | ~      | 0.7 A  |        |
|   |                        | SF1278     | 12.5                 | x | 12.5 | x | 8.0   | 0.47                   | ~  | 1000 | µH            | 56 A   | ~      | 1.14 A |        |
|   | Ultra High Current     | PQ2615     | 27.9                 | x | 19.8 | x | 15.36 | 2.2                    | ~  | 33   | µH            | 100 A  | ~      | 5.9 A  |        |
| <b>Traditional Inductor</b>               |                        |            |                      |   |      |   |       |                        |    |      |               |        |        |        |        |
|   | Radial Fixed           | RB0608     | Ø5.0                 | x | Ø5.0 | x | 6.5   | 1.0                    | µH | ~    | 1.0           | mH     | 1.0 A  | ~      | 100 mA |
|   |                        | RB0712     | Ø6.7                 | x | Ø6.7 | x | 10    | 10                     | µH | ~    | 560           | µH     | 1.1 A  | ~      | 150 mA |
|   |                        | RB0812     | Ø6.7                 | x | Ø6.7 | x | 10    | 47                     | µH | ~    | 47            | mH     | 450 mA | ~      | 16 mA  |
|   |                        | RB0912     | Ø8.7                 | x | Ø8.7 | x | 10    | 1.5                    | µH | ~    | 1.0           | mH     | 6.0 A  | ~      | 350 mA |
|   |                        | RB0914     | Ø8.7                 | x | Ø8.7 | x | 12    | 3.3                    | µH | ~    | 1.0           | mH     | 3.6 A  | ~      | 420 mA |
|   |                        | RB1010     | Ø11                  | x | Ø11  | x | 11    | 100                    | µH | ~    | 100           | mH     | 900 mA | ~      | 20 mA  |
|   |                        | RB1314     | Ø12                  | x | Ø12  | x | 12    | 3.3                    | µH | ~    | 15            | mH     | 5.6 A  | ~      | 82 mA  |
|   | Radial Open            | RC1008     | Ø10                  | x | Ø10  | x | 8.0   | 10                     | µH | ~    | 1.0           | mH     | 4.5 A  | ~      | 460 mA |
|   |                        | RC1010     | Ø11                  | x | Ø11  | x | 11    | 10                     | µH | ~    | 1.0           | mH     | 4.8 A  | ~      | 560 mA |
| <b>Common Mode Choke / Data Line</b>      |                        |            |                      |   |      |   |       |                        |    |      |               |        |        |        |        |
|   | Data Line EMI Solution | PWC0603-ST | 1.6                  | x | 0.85 | x | 1.1   | 22                     | ~  | 250  | Ω             | 500 mA | ~      | 400 mA |        |
|   |                        | PWC0805-ST | 2.05                 | x | 1.25 | x | 1.2   | 30                     | ~  | 670  | Ω             | 500 mA | ~      | 230 mA |        |
|   |                        | PWC1206-ST | 3.2                  | x | 1.6  | x | 1.9   | 90                     | ~  | 2200 | Ω             | 370 mA | ~      | 200 mA |        |
|   |                        | PWC0805-HT | 2.0                  | x | 1.2  | x | 1.0   | 67                     | ~  | 180  | Ω             | 330 mA | ~      | 250 mA |        |

# SMD Inductive Components General Grade

Unit: mm



| Figure                                | Feature                        | Type   | Dimension (LxWxH mm) |   |      |   |      | Inductance / Impedance |   |      | Rated Current |         |   |        |
|---------------------------------------|--------------------------------|--------|----------------------|---|------|---|------|------------------------|---|------|---------------|---------|---|--------|
| <b>Common Mode Choke / Data Line</b>  |                                |        |                      |   |      |   |      |                        |   |      |               |         |   |        |
| <br>                                  | <b>General EMI Solution</b>    | SF3225 | 3.2                  | x | 2.5  | x | 2.4  | 100                    | ~ | 100  | μH            | 0.1 A   | ~ | 0.1 A  |
|                                       |                                | SF4532 | 4.5                  | x | 3.2  | x | 3.0  | 11                     | ~ | 100  | μH            | 0.36 A  | ~ | 0.2 A  |
|                                       |                                | SF0502 | 5.0                  | x | 5.0  | x | 2.5  | 0.23                   | ~ | 2.6  | μH            | 6.0 A   | ~ | 1.5 A  |
|                                       |                                | SF0503 | 6.0                  | x | 3.3  | x | 3.3  | 11                     | ~ | 50   | μH            | 100 mA  | ~ | 100 mA |
|                                       |                                | SF0504 | 4.8                  | x | 5.0  | x | 4.8  | 0.6                    | ~ | 2.8  | μH            | 5000 mA | ~ | 200 mA |
|                                       |                                | SF0602 | 6.5                  | x | 3.6  | x | 1.65 | 10                     | ~ | 330  | μH            | 300 mA  | ~ | 300 mA |
|                                       |                                | SF0904 | 9.0                  | x | 5.4  | x | 4.7  | 11                     | ~ | 4700 | μH            | 0.5 A   | ~ | 0.2 A  |
|                                       |                                | SF0905 | 9.2                  | x | 6.0  | x | 5.0  | 10                     | ~ | 6500 | μH            | 1.6 A   | ~ | 0.3 A  |
|                                       |                                | SF1065 | 10                   | x | 8.7  | x | 6.5  | 10                     | ~ | 5000 | μH            | 4.0 A   | ~ | 0.3 A  |
|                                       |                                | SF1206 | 11.5                 | x | 9.0  | x | 5.7  | 5.0                    | ~ | 300  | μH            | 2.41 A  | ~ | 0.32 A |
|                                       | <b>EMI Filter</b>              | UF09H2 | 15                   | x | 16.5 | x | 13   | 0.5                    | ~ | 10   | mH            | 1.4 A   | ~ | 0.3 A  |
|                                       |                                | UF09V2 | 11.5                 | x | 16.5 | x | 17   | 0.5                    | ~ | 10   | mH            | 1.4 A   | ~ | 0.3 A  |
|                                       |                                | UF10V2 | 17                   | x | 19   | x | 22.5 | 10                     | ~ | 1.0  | mH            | 1.6 A   | ~ | 0.4 A  |
|                                       |                                | UF10V4 | 17                   | x | 19   | x | 20.5 | 8.0                    | ~ | 0.8  | mH            | 1.6 A   | ~ | 0.4 A  |
|                                       |                                | UF15V2 | 19                   | x | 23   | x | 27.5 | 20                     | ~ | 1.5  | mH            | 1.8 A   | ~ | 0.5 A  |
|                                       |                                | UF15V4 | 19                   | x | 23   | x | 27.5 | 20                     | ~ | 1.5  | mH            | 1.8 A   | ~ | 0.5 A  |
|                                       | <b>Toroidal Core</b>           | TR0806 | 8.5                  | x | 6.0  | x | 20   | 10                     | ~ | 10   | μH            | 1.0 A   | ~ | 1.0 A  |
|                                       |                                | TR1307 | 14                   | x | 7.5  | x | 20   | 25                     | ~ | 25   | μH            | 2.0 A   | ~ | 2.0 A  |
|                                       |                                | TR1711 | 17                   | x | 11   | x | 25   | 26                     | ~ | 72   | μH            | 2.0 A   | ~ | 2.0 A  |
|                                       |                                | TR1714 | 17                   | x | 14   | x | 25   | 45                     | ~ | 125  | μH            | 2.0 A   | ~ | 2.0 A  |
|                                       |                                | TR2616 | 26                   | x | 16   | x | 25   | 35                     | ~ | 100  | μH            | 5.0 A   | ~ | 5.0 A  |
| <b>Common Mode Choke / Power Line</b> |                                |        |                      |   |      |   |      |                        |   |      |               |         |   |        |
|                                       | <b>Power Line EMI Solution</b> | QF7035 | 7.0                  | x | 6.0  | x | 3.5  | 300                    | ~ | 3000 | Ω             | 5.0 A   | ~ | 1.2 A  |
|                                       |                                | QF9045 | 9.0                  | x | 7.0  | x | 4.5  | 700                    | ~ | 700  | Ω             | 5.0 A   | ~ | 5.0 A  |
|                                       |                                | QF1260 | 12                   | x | 11   | x | 6.0  | 700                    | ~ | 1000 | Ω             | 8.0 A   | ~ | 6.0 A  |
|                                       |                                | QF1560 | 15                   | x | 13   | x | 6.0  | 550                    | ~ | 3000 | Ω             | 10 A    | ~ | 3.2 A  |



endrich

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